

AZMERIT | Arizona's Statewide Achievement Assessment for English Language Arts and Mathematics

Mathematics Assessment Blueprint

Grade 3		
Domain	Min.	Max.
Operations, Algebraic Thinking, and Numbers in Base Ten	49%	53%
Number and Operations- Fractions	18%	22%
Measurement, Data, and Geometry	26%	30%

Grade 6		
Domain	Min.	Max.
Ratio and Proportional Relationships	19%	23%
The Number System	25%	29%
Expressions and Equations	29%	33%
Geometry, Statistics and Probability	17%	21%

Algebra I		
Conceptual Categories	Min.	Max.
Algebra	40%	44%
Functions	36%	40%
Statistics	17%	21%

Percentage of Points by Depth of Knowledge Level			
Grade	DOK Level 1	DOK Level 2	DOK Level 3
3-11	10%-20%	60%-70%	12%-30%

Grade 4		
Domain	Min.	Max.
Operations, Algebraic Thinking, and Numbers in Base Ten	46%	54%
Number and Operations- Fractions	29%	33%
Measurement, Data, and Geometry	15%	19%

Grade 7		
Domain	Min.	Max.
Ratio and Proportional Relationships	19%	23%
The Number System	19%	23%
Expressions and Equations	23%	27%
Geometry, Statistics and Probability	27%	35%

Geometry			
Domain	Min.	Max.	
Congruence	23%	27%	
Similarity, Right Triangles and Trigonometry	27%	31%	
Circles , Geometric Measurement and Geometric Properties with Equations	23%	27%	
Modeling with Geometry	17%	21%	

Grade 5		
Domain	Min.	Max.
Operations, Algebraic Thinking, and Numbers in Base Ten	38%	42%
Number and Operations- Fractions	31%	35%
Measurement, Data, and Geometry	24%	28%

Grade 8		
Domain	Min.	Max.
Expressions and Equations	32%	36%
Functions	21%	25%
Geometry	23%	27%
Statistics and Probability and The Number System	15%	19%

Algebra II		
Conceptual Categories	Min.	Max.
Algebra	34%	38%
Functions	32%	36%
Statistics	27%	31%

Within a test, approximately 70% of the assessment will be on major content within that grade or course.